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ANNUAL REPORT TO THE BOARD OF SUPERVISORS COUNTY SURVEYOR'S OFFICE JANUARY 1, 1979

[Orange County]

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ANNUAL REPORT TO THE BOARD OF SUPERVISORS
SURVEY SECTION - EMA
January 1, 1979

The Survey Section of the EMA consists of two separate groups: Office and Field Survey. The duties of each group and the work performed during 1978 are as follows:

SUBDIVISION MAP CHECKING UNIT - OFFICE GROUP

This unit examines all tract maps, parcel maps, and record of survey maps before they are filed or recorded. Tracts in unincorporated territory are checked for mathematical accuracy and for compliance with the Subdivision Map Act and County Ordinances. City tracts are checked only for compliance with the Subdivision Map Act.

A breakdown of recorded tracts by unincorporated territory and incorporated territory with a comparison between 1977 and 1978 is as follows:

	1977	1978	PERCENT OF 1977	ACREAGE 1978	LOTS 1978	AVERAGE LOTS PER TRACT-1978
INCORPORATED	336	261	78%	2757.43	6604	25.3
UNINCORPORATED	106	97	92%	2082.80	3823	39.4
TOTAL	442	358	81%	4840.23	10427	29.1

A breakdown of recorded tracts by Supervisorial Districts is as follows:

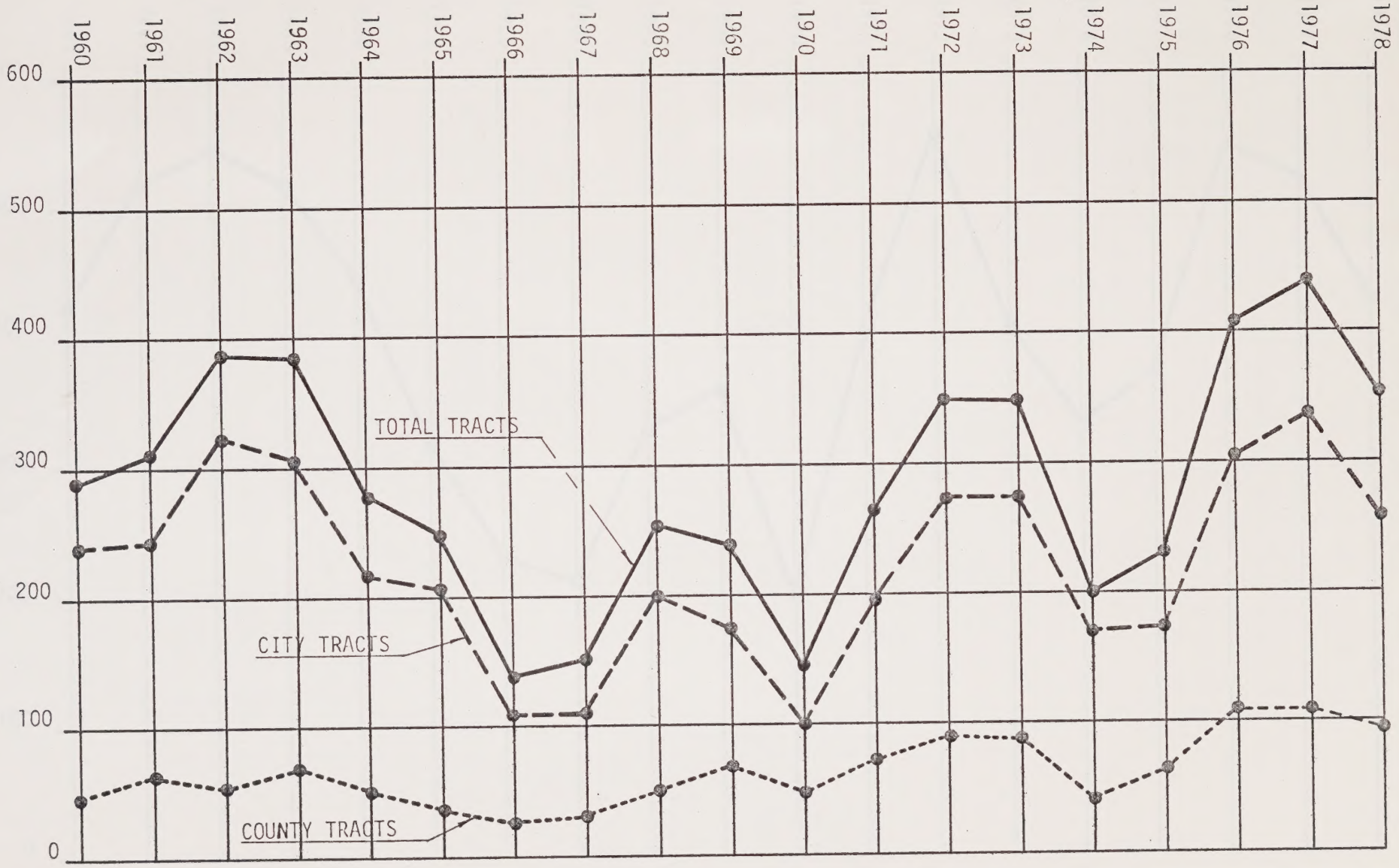
DISTRICT	TRACTS	ACRES	LOTS
1	31	122.20	415
2	47	333.88	923
3	145	2326.36	5490
4	26	189.13	414
5	109	1868.66	3185
TOTALS	358	4840.23	10427

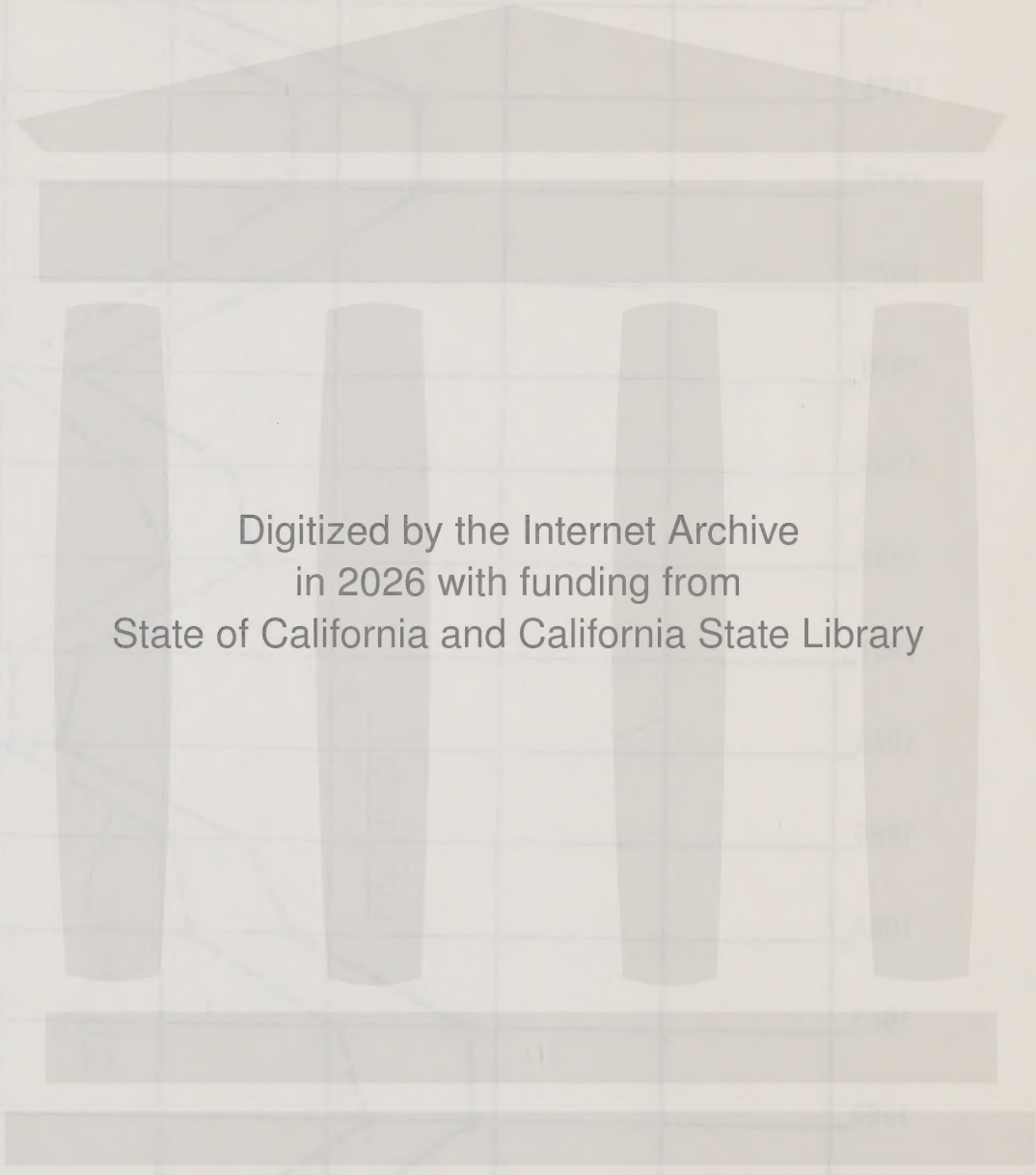
YEAR 1978 - TOTAL NUMBER OF TRACTS RECORDED

	No. Tracts 1977	No. Tracts 1978	No. Acres 1977	No. Acres 1978	No. Lots 1977	No. Lots 1978
Unincorporated Orange County	106	97	1935.90	2082,80	5051	3823
Anaheim	23	20	402.36	158.78	1009	312
Brea	9	11	262.10	197.88	306	547
Buena Park	3	0	19.43	0	39	0
Costa Mesa	9	10	40.67	47.70	178	275
Cypress	7	4	28.56	54.90	115	52
Fountain Valley *	10	3	78.73	16.73	335	81
Fullerton *	12	13	171.80	259.12	501	472
Garden Grove	9	15	138.89	33.03	304	165
Huntington Beach	23	25	256.25	243.36	619	713
Irvine *	105	28	1096.81	208.74	4263	551
Laguna Beach	1	2	0.33	1.16	1	5
La Habra	8	4	65.42	24.69	258	142
La Palma	3	3	17.75	12.69	73	63
Los Alamitos	2	0	10.16	0	46	0
Newport Beach	7	12	123.22	139.92	200	151
Orange	19	23	242.66	332 85	658	674
Placentia	7	7	67.94	58.45	297	383
San Clemente	14	11	631.16	16.75	1147	33
San Juan Capistrano	6	11	124.11	383.60	242	591
Santa Ana	28	13	164.56	64.15	680	100
Seal Beach	2	10	5.44	15.92	43	91
Stanton	0	0	0	0	0	0
Tustin	2	3	8.82	14.91	39	63
Villa Park	1	2	9.84	13.55	17	17
Westminster	9	7	46.58	24.99	202	135
Yorba Linda	17	24	202.81	433.56	358	988
GRAND TOTAL	442	358	6152.30	4840.23	16981	10427

* County Subdivision Map Checking unit does not check the subdivision maps within the designated cities except for "County Recorder Review".

NUMBER OF RECORDED TRACTS





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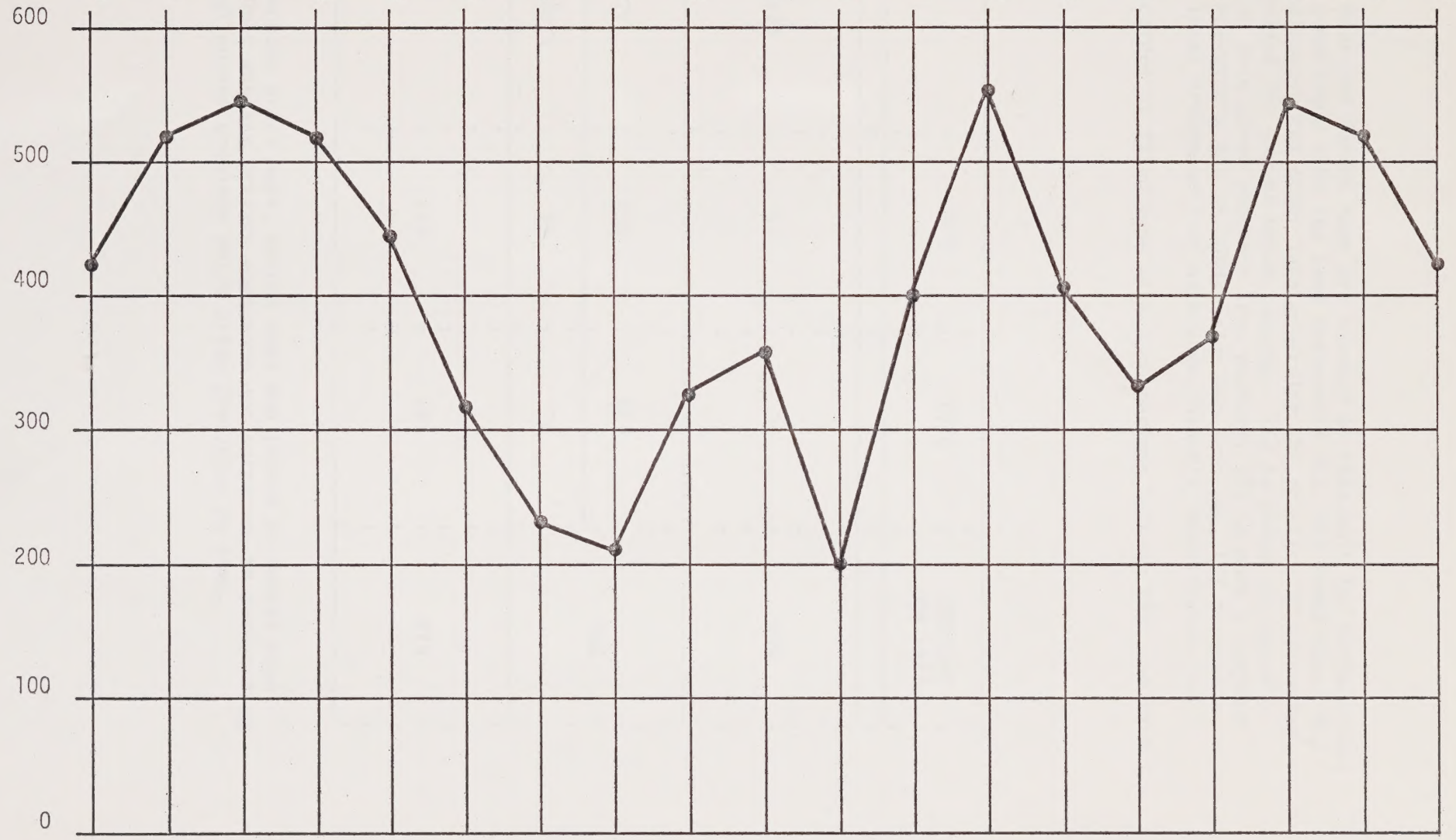
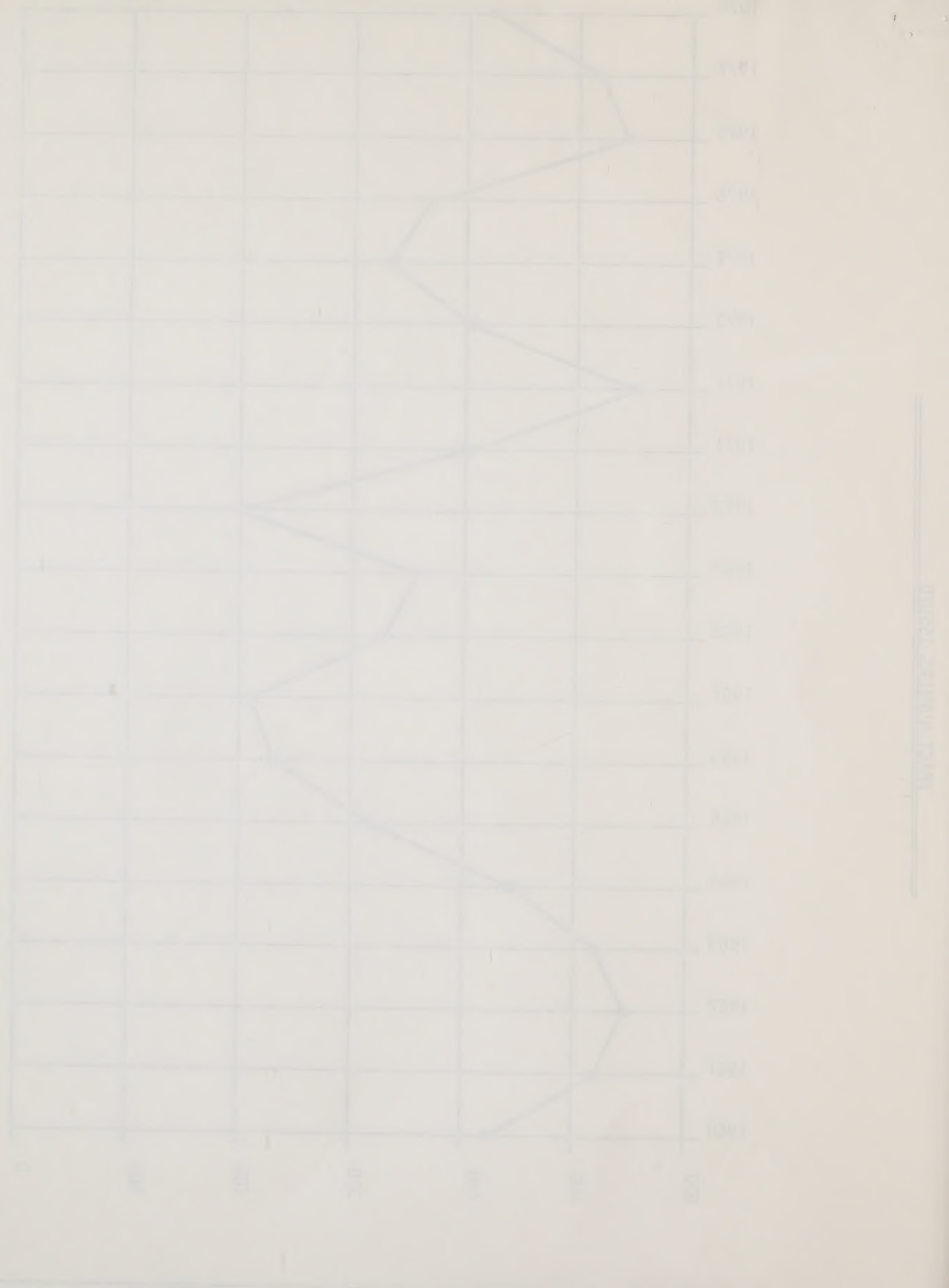
TRACT NUMBERS ISSUED





Record of Survey Maps and Parcel Maps are checked by this unit for mathematical accuracy and for compliance with the Land Surveyor's Act, the Subdivision Map Act, and local ordinances and other laws governing the practice of surveying. Such maps are recorded for any of three reasons: (1) to place on record a surveyor's solution to a given property line problem; (2) to meet a requirement of the Land Surveyor's Act or Subdivision Map Act; and, (3) to meet a requirement of a local ordinance such as Orange County's "Subdivision Code".

A breakdown of recorded or filed maps with a comparison between 1977 and 1978 is as follows:

		1977	1978	PERCENT OF 1977
RECORD OF SURVEY MAPS		41	36	88%
PARCEL MAPS	CITY	459	469	98%
	COUNTY	99	76	
TOTAL		599	581	97%

In addition to checking tract maps, parcel maps and record of survey maps, the Map Checking Unit assists private engineers and surveyors in researching and solving unusual survey problems which arise from time to time.

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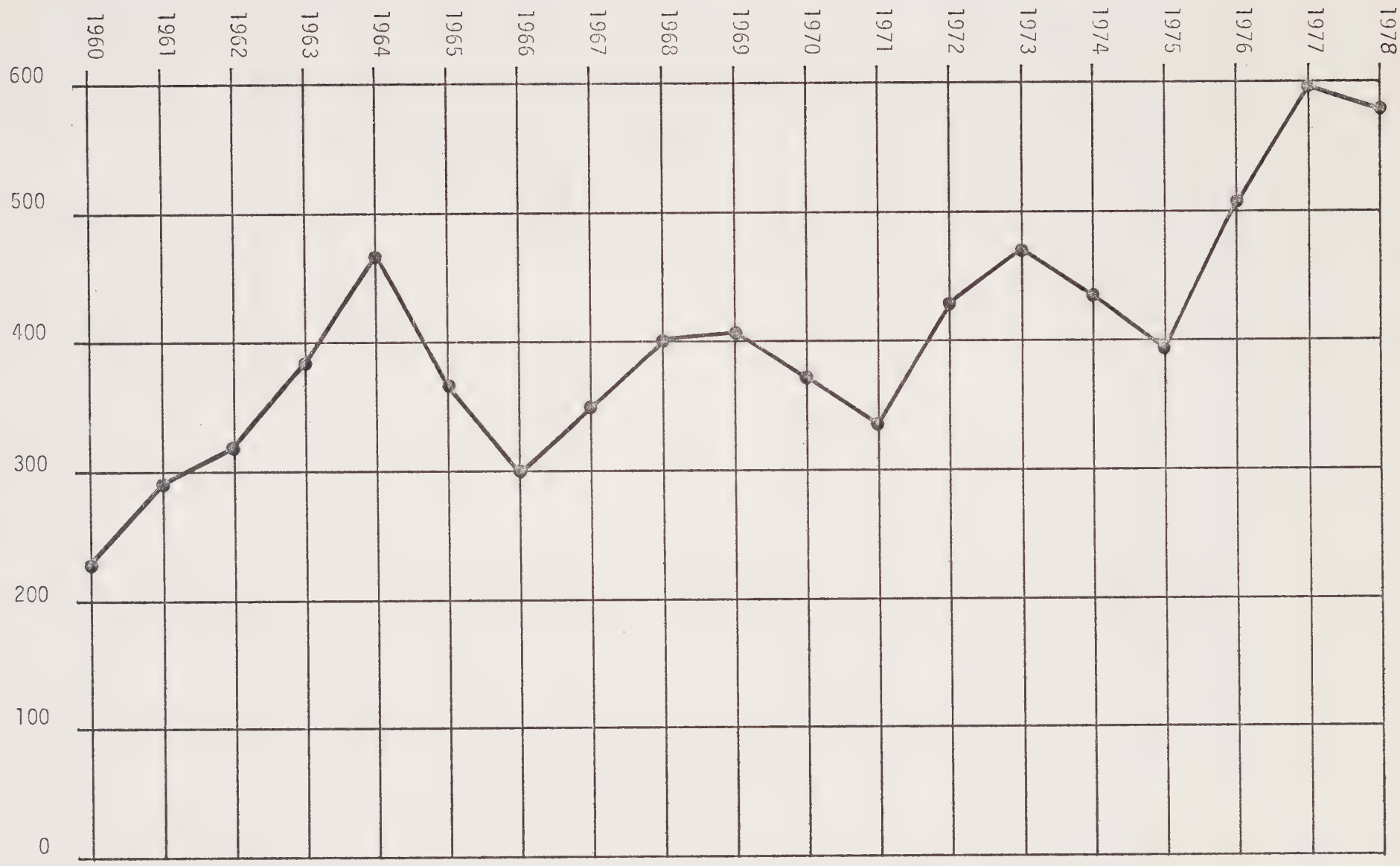
RECORDED PARCEL AND RECORD OF SURVEY MAPS



MAP DRAFTING UNIT - OFFICE GROUP

This unit maintains 92 county road maps, 81 county precinct maps and performs miscellaneous drafting work as required.

COUNTY ROAD MAPS: The County Road Maps show streets, subdivisions, records of surveys, parcel maps, county surveyor's maps, city boundaries, public properties, relinquishments of state highways to local jurisdiction and abandonments of public streets and public properties. The following changes were made on the road maps and their tracings during 1977.

439 New subdivisions were plotted.

234 New recorded documents affecting county properties and rights of way were delineated.

71 New city annexations of county territories were plotted.

COUNTY PRECINCT MAPS: The county precinct maps show all streets, precinct boundaries, census tracts, school districts, supervisorial districts, judicial districts, congressional districts, assembly districts, senatorial districts, and city boundaries. The following changes were made on the precinct maps and their overlays during 1977:

3459 Revisions were made at the request of the Registrar of Voters and as caused by city annexations and incorporations of county territory.

439 New subdivisions were plotted.

OFFICIAL COUNTY MAPS: Official county maps are located in various offices throughout the county. Eighteen maps were periodically updated to show correct city boundaries which changed due to annexations.

MISCELLANEOUS DRAFTING WORK: Consists of maps drafted or display maps prepared.

21 Maps for the Board of Supervisors
23 Maps for Survey Field Section
4 Maps for EMA Administrative Offices
1 Map for General Services Agency
19 Maps for Registrar of Voters
6 Maps for Deputy County Surveyor
51 Maps for County Surveyor's Office
16 Maps for Water Resources
4 Maps for County Administrative Office
2 Maps for Analytical Services

BOUNDARY UNIT - OFFICE GROUP

This unit examines all descriptions and maps of proposed formations, annexations, and/or de-annexations involving cities or districts, and reports its findings to the Board of Supervisors or the Local Agency Formation Commission.

When districts are involved such as school districts, judicial districts and districts governed by the Board of Supervisors, this unit prepared the necessary maps and legal descriptions for all formations and boundary changes.

During 1978 there were twenty three maps prepared and accompanying legal descriptions written for various districts such as County Service Areas, Orange County Street Lighting Maintenance Districts and Schools Districts. In addition twenty-one exhibit maps were prepared for various county departments and seventy eight display and exhibit maps were prepared for the Local Agency Formation Commission.

There are one hundred sixty three master maps and folders maintained by this unit.

In the following table, the first column indicates the number of proposed annexations and/or de-annexations to cities; the second column indicates the number of annexations and/or de-annexations which became final; and the third column indicates the number of acres included within the annexation and/or de-annexation which became final.

CITIES	PROPOSED ANNEXATIONS	ANNEXATIONS FINALIZED	NO. OF ACRES INCLUDED WITHIN FINAL ANNEXATIONS
Anaheim	9	8	357.854
Brea	1	3	138.974
Buena Park	1	0	0
Costa Mesa	5	4	79.100
Cypress	1	1	.620
Fountain Valley	0	1	18.168
Fullerton	0	2	2.460
Garden Grove	5	5	4.862
Huntington Beach	0	0	0
Irvine	0	0	0
Laguna Beach	1	1	2.359
La Habra	19	13	12.040
La Palma	1	1	4.000
Los Alamitos	1	0	0
Newport Beach	1	0	0
Orange	9	6	58.774
Placentia	3	1	9.256
San Clemente	1	0	0
San Juan Capistrano	3	1	19.038
Santa Ana	4	1	45.730
Seal Beach	0	0	0
Stanton	1	1	18.700
Tustin	16	5	36.166
Villa Park	0	0	0
Westminster	0	0	0
Yorba Linda	3	2	4195.520
Vista del Rio (Proposed)	1		
TOTAL	86	56	5003.621

Tabulated below in a similar manner as city boundary changes are the number of descriptions and maps processed for various taxable districts of the county.

NUMBER AND TYPE OF DISTRICTS	PROPOSED ANNEXATIONS	ANNEXATIONS FINALIZED
8 Sanitary	45	35
7 Sanitation	22	23
9 Lighting	20	12
11 Lighting Maintenance	51	37
2 Highway Lighting	2	1
4 Recreation & Park	3	3
3 Sewer Maintenance	8	4
13 County Service Areas	4	0
4 Library	1	1
22 Water	15	12
6 Improvement Districts within Water Districts	27	5
2 Waterworks	1	1
TOTAL	199	134

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FIELD SURVEY GROUP

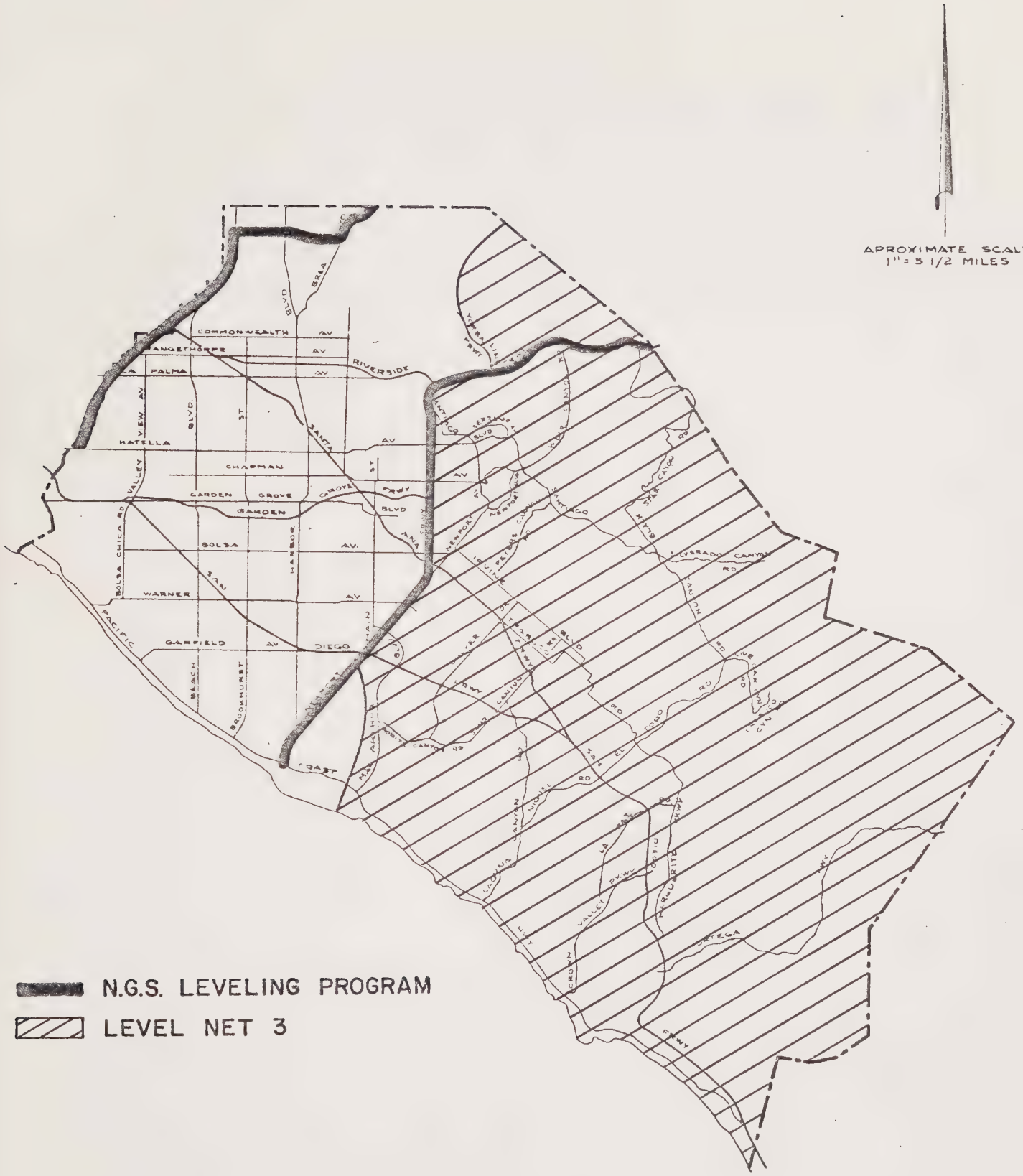
The Field Survey Group maintains and extends horizontal and vertical control surveys, retraces section lines, and references and retraces street center lines throughout the County. This information is made available to the general public. In addition, this section does all the field survey work for projects of the Environmental Management Agency and other County departments as requested. The group is made up of eleven field survey parties and an office unit for computations.

HORIZONTAL CONTROL SURVEYS

Horizontal control surveys are made to establish and maintain the coordinated network of points on a single datum for the benefit of all engineering projects or boundary surveys within the County.

Major projects for which horizontal control has been completed during 1978 are:

1. Update of Newport Freeway Control
2. Update of Riverside Freeway Control
3. Update of San Diego Freeway Control
4. Update of Olinda Disposal Control
5. Update of Featherly Park Control
6. T3S R8 - 10W
7. Alicia Parkway Alignment Study



VERTICAL CONTROL
1978

VERTICAL CONTROL SURVEYS

The vertical control surveys establish a precise common datum for elevations throughout the County. This information is made available to the general public. By releveling all previously established lines, it is determined where crustal movements have taken place within the County.

Approximately 140 miles of precise levelling was accomplished during 1978. The major projects are as follows:

1. Level Net 3, 55 miles
2. Participation in NGS releveling of Southern California, 85 miles.

PHOTOGRAMMETRIC SURVEYS

Photogrammetric surveys are generally used to obtain preliminary survey information of a large area for planning and design of various projects. The field survey group prepares the agreement with the photogrammetrist, establishes the vertical and horizontal control and checks the final maps for accuracy and agreement with the specifications. The photogrammetric surveys completed in 1978 are as follows:

1.	La Habra Islands	Monte Vista to Hillcrest
2.	Olinda Refuse Disposal Station	Volume and Mapping
3.	Santiago Canyon Refuse Disposal Station	Volume and Mapping
4.	Coyote Canyon Refuse Disposal Station	Volume and Mapping
5.	Prima Desecha Refuse Disposal Station	Volume and Mapping
6.	Bolsa Chica Regional Park	Park Boundary
7.	Sunset Beach	County Beach Encroachments
8.	San Juan Creek	2 miles D/s to 3 miles U/s park
9.	Garfield-Gisler Bridge	Ward to Washington
10.	Banning Avenue-19th Street	Brookhurst to Sundance
11.	Rose Canyon	Live Oak Canyon Road/Plano Trabuco
12.	Alicia Parkway	M.V. Planned Comm. to Plano Trabuco Rd.
13.	Panorama Heights	Assessment District 71-A

MISCELLANEOUS SURVEYS

The following miscellaneous surveys were completed in 1978:

1.	Posting for Districts, Sheriff and abandonments	40 jobs
2.	Porter Circle	Settlement Monuments
3.	Mile Square Regional Park	Pond in N.E. corner of park
4.	Monte Vista Avenue	U.P.R.R. to La Habra Blvd.
5.	Colonia Independencia	Gilbert/Katella to Pacific
6.	Live Oak Canyon Road	Cook's Corner to O'Neill Park
7.	Collins Channel (E07)	Between Taft & Glassell
8.	Katella Storm Channel	Walnut to Los Alamitos Blvd.
9.	Santa Ana River	Ocean to San Diego Freeway
10.	Santa Ana River	Pit E/o Greenville-Banning Channel
11.	Santa Ana River	Ocean to Station 20
12.	Solana Drive	S/o Chapman
13.	Santa Ana River	P.C.H. to Adams
14.	Santiago Creek	Baker Street to N. Towner Street
15.	Villa Park Dam	Dam Crest & Alignment
16.	San Diego Creek	Campus to Jamboree
17.	Sulphur Creek	Dam Crest
18.	San Juan Creek	Station 20 59 Station 120
19.	Santa Ana River	MWD to Prado Dam
20.	Harbor Island	Encroachment/Co. Tidelands
21.	Serrano Community Park	Historical Village
22.	Featherly Regional Park	Trees Inside Park Boundary
23.	Montanez Adobe	@ Los Rios Street
24.	Dana Stand	Dana Point
25.	Dana Point Harbor	Sediment Study

26.	Mile Square Regional Park	Settlement Monuments
27.	Hazard Avenue	@ Newland Street Excess Land
28.	Dylan Avenue	Muirlands to El Rond Lane
29.	Torrey Pine Tree	Second Avenue & Wildwood Road
30.	Village Park Road	Wash Out Area
31.	Palisades Road	P.C.H. to Top of Bluff
32.	Marguerite Parkway	0.5 mile S/o Oso Parkway
33.	Marguerite Parkway	@ Landslide
34.	Crown Valley Parkway	San Diego Freeway to Puerta Real
35.	Stability studies	Various Locations
36.	Carbon Canyon Channel	1838 Spahan Lane
37.	Carbon Canyon Channel	1932 Spahan Lane

38. Flag R/W Approximately 5.5 miles on the following:

    O.C.F.C.D. Channels - A01, L01, L01, L02S02; Dana Point Harbor, Peacock Hills Equestrian Trail; Roads - Barrett Lane, Camino del Estrella, Crawford Canyon Road, Monterrey Street, and Morada Drive.

39. Scour studies - Approximately 60 miles on the following O.C.F.C.D. channels:

    B01, C01B01, C02, C03, C04, C05, D01, D02, D03, D05, E01, E02, E04, F05, F06, J01, L01, L02, and L03.

40. Various potholes for utility locations.

PRELIMINARY SURVEYS

Approximately 54 miles of preliminary surveys have been accomplished during 1978. These surveys are used as a basis for planning and design of various projects. Following are the locations of these surveys:

	PROJECT	PROJECT LIMITS
1.	Vanderlip Storm Drain	F07 to Cameron Lane
2.	El Modena Comm. Center	S/o Center, E/o Earlham
3.	Colonia Independencia	Pacific Place from Berry 200' West
4.	Colonia Independencia	Park and Community Center
5.	Grace - Pacific	Euclid To Liberty Island Pacific to N. Grace
6.	Coyote Canyon	Landfill Site 24
7.	Alicia Park	Within Park Boundary
8.	Gershon Mini-Park	17th to Gershon
9.	El Modena/Irvine Channel	Redhill to 1000' D/s Bryan
10.	E. Richfield S. C.	S.A.R. to Orangethorpe
11.	Del Obispo S. C.	L01 to Del Obispo Street
12.	Airport Storm Channel	600' W/o Redhill to Airport PL
13.	Handy Creek	Handy Creek to 2200' U/s
14.	Harbor - Edinger S. D.	N/o S.A.R. to N/o Edinger
15.	Hyland Storm Drain	S. D. Fwy to Segerstrom
16.	Hyland Storm Drain	Segerstrom to D03
17.	Chapman - Dale S. D.	C03 to 300 Feet E/o Dale
18.	Gilbert - Cerritos S. D.	@ Katella & Gilbert
19.	Redhill Channel	F07 to Irvine Blvd.
20.	Del Avion S. D.	San Juan Creek to Camino Del Avio
21.	Brea Creek Retarding Basin	Dale/Malvern/A.T. & S.F. R.R.
22.	Moody Creek	Moody St. to La Palma Ave.

	PROJECT	PROJECT LIMITS
23.	Richfield Channel	500' S/o Buena Vista to 1850' S/o Yorba Linda Blvd.
24.	Greenville-Banning Channel	D/s Harbor Blvd. (Station 291+52)
25.	Santa Ana River	Least Tern Feeding Area
26.	Haster Basin	Berm Raising
27.	Panorama S. C. Inlet	500' U/s to Inlet on Solana Drive
28.	Santiago Creek	D/s from Modjeska Grade
29.	Brea Canyon Channel	Brea Res. to D/s Imperial Highway
30.	E.G.G.-Wintersberg Channel	Warner to P.C.H.
31.	Greenville-Banning Channel	E. Berm 800' S/o Victoria
32.	Santa Ana Delhi Channel	Mesa St. to 500' D/s
33.	Fullerton Creek	Chapman Avenue U/s 1800'
34.	Fullerton Creek	A01 to Knott Avenue
35.	San Juan Creek	San Diego Freeway to Ortega Highway
36.	Santa Ana River	E08 Channel to Katella Ave.
37.	El Modena-Irvine Channel	F06 to Browning Ave.
38.	El Modena-Irvine Channel	Peters Canyon to Browning
39.	Redhill Channel	F07 to Irvine Blvd.
40.	La Colina-Redhill S. C.	F07 to Irvine Blvd.
41.	Santa Ana River	P.C.H. to Adams
42.	Santa Ana River	Pacific Ocean to U/s Talbert Ave.
43.	Santa Ana River	Pacific Ocean to Warner Ave.
44.	Mile Square Park	Parking Lot Drainage-Golf Course
45.	Aliso Beach	Inland Area Park
46.	Forest Paull Park	Garden Grove Blvd. @ City Drive
47.	Fairview Regional Park	Within Park Boundary
48.	Featherly Regional Park	Easterly End of Park

	PROJECT	PROJECT LIMITS
49.	Dana Point Harbor East Basin	Public Parking/Boat Storage
50.	El Toro Comm. Park	A.T. & S.F. R.R. to Jeronimo Road
51.	Dana Point Harbor	Public Parking/Boat Storage
52.	Santiago Creek	V. P. Dam to Irvine Park
53.	Katella/Orangewood	Bridges @ S.A.R.
54.	Calle Naranja	At Calle Portola
55.	Marguerite Parkway	S/o Oso Parkway
56.	Newport Blvd.	St. John Place to Greenbrier Road
57.	Irvine Blvd.	Bake Parkway to Pusan Ave.
58.	La Palma Avenue	Easterly Imperial to Anaheim City Limit
59.	Camino El Molino	Via Sacramento to C. de Estrella
60.	Walker Street	De Long St. to 340' N'ly of Crescent Ave.
61.	Camino de Estrella	C. Capistrano to Calle Hermosa
62.	El Toro Road	W/o Ave Sevilla
63.	Crawford Canyon Road	Newport Blvd. to 700' Northerly
64.	Selva Road	St. of Golden Lantern to St. of Copper Lantern
65.	Robles Drive	St. of Violet Lanter to Selva Road
66.	Banning/19th Street Bridge	Brookhurst to Balboa Blvd.
67.	Villa Park Road	Lemon Street to Hewes Street
68.	Palisades Drive	Coast Hwy. to Camino Capistrano
69.	Charloma Drive	Sycamore Ave. to 0.13 Mile Northeasterly
70.	Grace, Pacific, Liberty	In La Habra/County Island
71.	Colonia Independencia	Berry to Harcourt/Katella to Pacific
72.	Silverado/Modjeska	Northerly Silverado Canyon Road
73.	Newport Dunes	Maintenance Dredging
74.	Fullerton Creek Channel	A.T. & S.F. R.R. to Chapman

	PROJECT	PROJECT LIMITS
75.	Del Obispo Channel	F01 to Del Obispo Street
76.	Handy Creek	Santiago Creek to Handy Creek
77.	Harbor-Edinger S. D.	2600' S/o Edinger to 3000' N.
78.	Brea Creek Channel	700' W/o Dale Street to Dale Street
79.	Santa Ana River	P.C.H. to N/o Hamilton
80.	Santa Ana-Delhi Channel	San Diego Fwy. to Anton Blvd.
81.	Oso Creek Channel	N/o A. de Las Flores to S/o San Juan Cap.
82.	Craig Park	Between Associated Road & Park Road
83.	Los Coyotes Regional Park	Stake for Soil Testing
84.	Culver Drive	@ Bridge
85.	Pacific Avenue-Canyon Drive	Victoria St. to Banning Place
86.	Hewes	New Naven Drive to Hewes
87.	La Palma Avenue	Denni Street to 650' Easterly
88.	P.C.H.	@ St. of the Blue Lantern
89.	Lakeview Avenue Bridge	@ Santa Ana River
90.	Alicia Parkway	@ Althea
91.	Harbor Edinger Pump Station	X-Sect. Add Data

CENTERLINE SURVEYS

During 1978 approximately 4 miles of centerline were surveyed and referenced in the County. The following projects were completed during this period:

1.	Orchard Drive	Southerly Santa Ana Avenue
2.	Modjeska Grade	P.I. 17 to P.I. 25
3.	El Camino Real	Tustin
4.	Laguna Canyon Channel	Station 77+64 to Station 81+20
5.	Silverado Canyon Road	@ T.J.S. Ranch
6.	Cabot Road	Crown Valley Parkway to Oso Parkway

BOUNDARY SURVEYS

The following boundary surveys were completed in 1978:

1.	Savanna Street	Savanna to W/o Knott 1320'±
2.	Hewes S.D. Lateral	Hewes to Newhaven
3.	Mason Regional Park	Easterly boundary
4.	Conrock	Boundary sand and gravel lease

CONSTRUCTION SURVEYS

Approximately 26 miles of construction surveys were completed during 1978. These surveys were made for the construction of the following projects:

	PROJECT	PROJECT LIMITS
1.	Monte Vista Avenue	U.P.R.R. to 165' S/o La Habra Blvd.
2.	Various Streets	Center/Ryals/Windsor/Ave Palmar
3.	Colonia Independencia	Harcourt/Garzia/Perry/Pacific
4.	El Roy	W/O Daniger
5.	Aurora Park	Southerly of Alicia W/O Marguerita Pkwy.
6.	Bent Tree Park	Lemon Heights
7.	Gershon Mini-Park	@ 17th and Gershon
8.	Stockport Park	In Laguna Hills
9.	Serra Sewer Line	500' U/s P.C.H. on L01 Channel
10.	Gilbert-Cerritos S. D.	C03 Channel to S.P.R.R.
11.	Irvine-Baycrest S. D.	Dover to Tradewinds
12.	Moody Creek Channel	Moody Street to La Palma Avenue
13.	Brea Creek Channel	Puente 700' O.S. Imperial Highway
14.	Laguna Canyon Channel	Inlet @ Station 80+40
15.	Fullerton Creek	Chapman Avenue U/s 1800'
16.	Newport Harbor	Docking Facility
17.	Dana Point Harbor	W. Basin Improvements
18.	Mesa Road	Slope Drain in O'Neill Park
19.	Russell Street/Mach Street	V. Home to Macy/Russell to L.A.C.O.
20.	Alicia Parkway	Moulton Parkway to Paseo del Valencia
21.	Lake Forest	@ Moulton Parkway
22.	Crown Valley	@ Pacific Island Drive
23.	La Pata Avenue	Slide Repair

	PROJECT	PROJECT LIMITS
24.	Flying Cloud Drive	200' N/o Starview Lane
25.	Plano Trabuco Road	@ Road End
26.	Lakeview Avenue Bridge	@ Santa Ana River
27.	Coast Highway Bike Trail	Palisades to Doheny Park Road
28.	Capistrano Valley Trail	Calle Chueca to Marguerite
29.	Rose Drive & Alleys	Valencia to Imperial
30.	Marguerite Parkway	Slide Repair
31.	Lake Forest Park	Park Boundary
32.	Knotty Pine Park	Park Boundary
33.	Rossmoor Park	Los Alamitos
34.	Castille Park	Mission Viejo
35.	Raymond-La Palma S. D.	Carbon Creek to Acacia Street
36.	Dale-Cerritos S. D.	Dale Street to 1350' E/O Dale
37.	Huntington Beach P. C.	At Station
38.	Aliso Creek Channel	Northerly A.T.S.F. to Jeronimo
39.	Mason Regional Park	Phase II
40.	Carlton Tract	Marda, 4th, 3rd, 2nd
41.	La Cresta Drive	Chula Vista to Amber Lantern
42.	Stonehill Drive	715' W/o Intera to Golden Lantern
43.	Stonehill Drive	200' W/O Blue Lantern to 600' E/O Alta Vista
44.	Katella Avenue	Knott to Western
45.	Various Streets	Resurfacing & Shoulder Paving
46.	Irvine Blvd.	Signal @ Browning
47.	Russell/Macy St.	V. Home to Macy/Russell to L.A. Co.
48.	Moulton/Ridge Route	Ridge Route N'ly Moulton E'ly
49.	Flying Cloud	200' N/O Starview Lane

	PROJECT	PROJECT LIMITS
50.	Camino del Avion	Del Obispo to 443' W'ly
51.	El Toro Road	1.4 to 2.3 miles N'ly of Trabuco
52.	Plano Trabuco Road	@ Road end
53.	Coast Hwy. Bike Trail	Doheny Park Road to End County
54.	La Pata Avenue	1.1 mile S/ly of Ortega Hwy.
55.	Rossmoor Streets	Los Alamitos
56.	Lake Forest	At Moulton Parkway
57.	Hamilton Bridge	@ Santa Ana River

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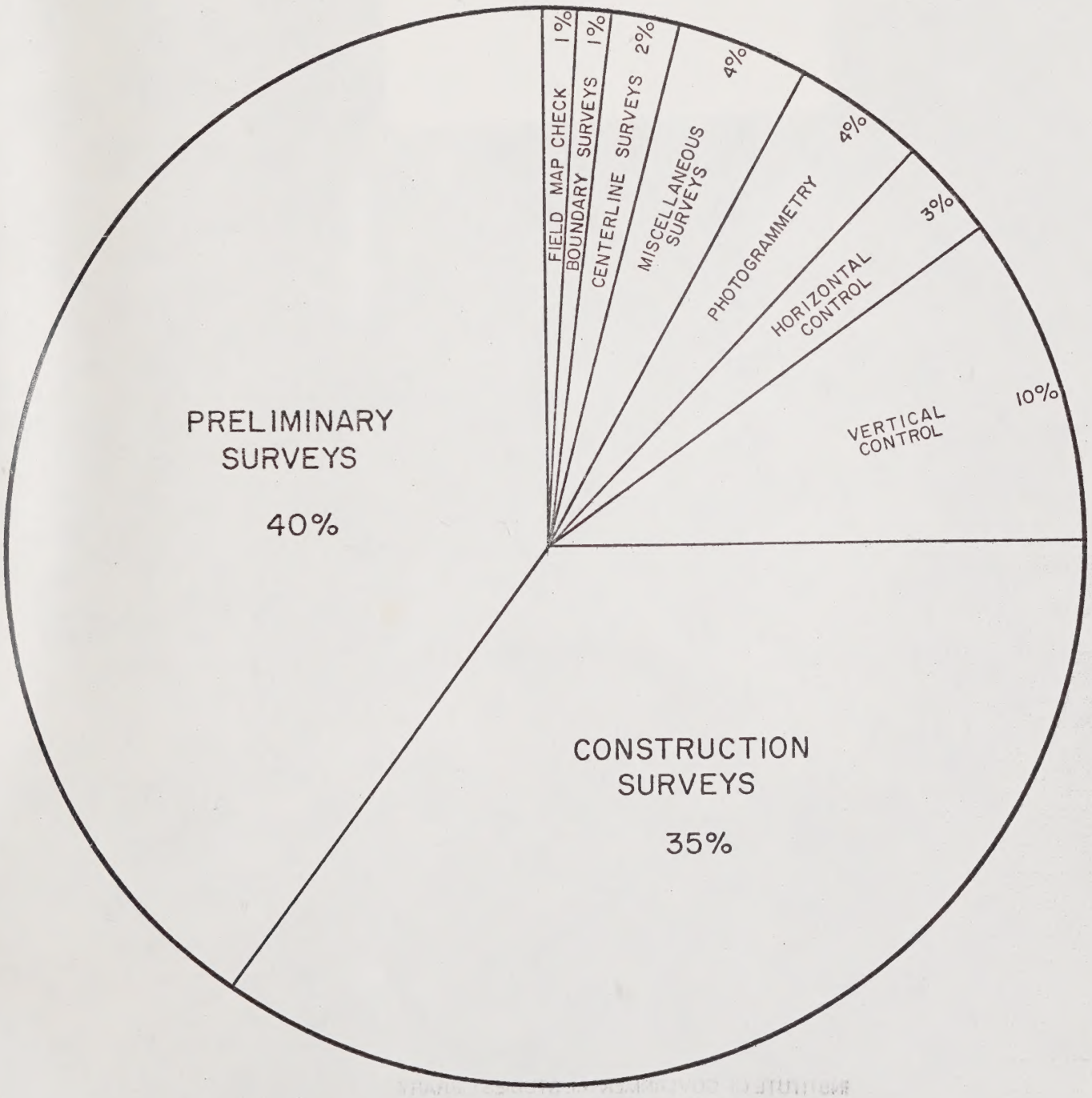

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